

Claim Charts for U.S. Patent 9,600,842

EXHIBIT U

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The following claim charts are preliminary in nature. e-Numerate reserves the right to amend and supplement these proceeds.

29. A computer program product embodied on at least one non-transitory computer readable medium and comprising one hardware processor to operate, the computer program product comprising:

code stored on the at least one non-transitory computer readable medium and configured to cause the at least one processor to identify at least one computer-readable Extensible Markup Language (XML)-compliant data document in a Business Reporting Language (XBRL)-compliant and includes:

a plurality of line items with a plurality of data values, and

a plurality of computer-readable semantic tags that describe a semantic meaning of the data values; the computer-readable XML-compliant data document is capable of including multiple hierarchical relationships between the plurality of line items;

code stored on the at least one non-transitory computer readable medium and configured to cause the at least one processor to parse the at least one computer-readable XML-compliant data document, by:

receiving the at least one computer-readable XML-compliant data document,

identifying the multiple hierarchical relationships between the two line items, and at least one of the semantic tags that describes the semantic meaning of at least one of the data values included in the at least one XML-compliant data document;

code stored on the at least one non-transitory computer readable medium and configured to cause the at least one processor to access a plurality of computer-readable rules including:

a computer-readable datatype rule for validation of a type of data values,

a computer-readable calculation rule for validation of a calculation involving data values, and

a computer-readable unit rule for validation of a unit of data values;

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code stored on the at least one non-transitory computer readable medium and configured to cause the at least one processor to process the at least one computer-readable XML-compliant data document, by:

identifying at least a subset of the computer-readable rules including at least one of:

the computer-readable datatype rule for validation of the type of data values,

the computer-readable calculation rule for validation of the calculation involving data values,

the computer-readable unit rule for validation of the unit of data values; and

processing at least a portion of the data values of at least a portion of the plurality of line items of the at least one computer-readable XML-compliant data document, utilizing the at least subset of the computer-readable rules, and at least one computer-readable semantic tags of the at least one computer-readable XML-compliant data document;

code stored on the at least one non-transitory computer readable medium and configured to cause the at least one processor to display a result of a validation of the at least one computer-readable XML-compliant data document;

code stored on the at least one non-transitory computer readable medium and configured to cause the at least one processor to develop a report, by:

identifying the at least one computer-readable semantic tag that describes the semantic meaning of the data value included in the at least one computer-readable XML-compliant data document, and

retrieving data from one or more sources to represent the at least one data value in the report.

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Claim 29 Elements	Applicability
<p>A computer program product embodied on at least one non-transitory computer readable medium and configured to cause at least one hardware processor to operate, the computer program product comprising:</p>	<p>Users of an XBRL validator use <i>a computer program product embodied on at least one non-transitory computer readable medium and configured to cause at least one hardware processor to operate, the computer program product.</i></p> <p>Note: Any entity using XBRL on an official basis requires use of an XBRL validator. An XBRL document complies with relevant rules set forth by the XBRL standard.</p> <p>Upon information and belief, the Securities and Exchange Commission (SEC) has used the '842 Patent in violation of 35 U.S.C. § 271(a) by using the patented invention <i>via</i>, process multiple XBRL-compliant filings with the SEC. See pertinent excerpt illustrating applicability to the SEC EDGAR Renderer, for example: https://www.sec.gov/structureddata/edgarvalandrender.</p> <p>EDGAR Renderer is available as an open source application to include within so-called "viewer" applications. As of September 28, 2015, the viewer and previewer on the SEC website (www.sec.gov/spotlight/xbrl/viewers.shtml), as well as rendering related error messages, rely on EDGAR Renderer 3.3.0.814. The EDGAR Renderer standalone application and source code are available for download at www.arelle.org/applications and the latest version 3.2.0.727 is available at https://github.com/Arelle/EdgarRenderer/blob/3.3.0.814/change_log.md.</p> <p>https://www.sec.gov/structureddata/announcement/osd-announcement-1106-renderer-and-validation-engine.html</p> <p>EDGAR® Renderer enables investors to view via the SEC website the interactive data submitted under the SEC's rules that require the use of XBRL.</p> <p>The Previewer provides the capability to test how an interactive data submission will appear on the SEC's website when submitted via EDGAR; the Previewer is only a test mechanism and does not constitute an official filing. Once a company completes its interactive data submission via EDGAR, the rendering will be presented with the official filing on the SEC website.</p>

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	<p>The version of EDGAR Renderer in use on the SEC website is available for download at www.arelle.org/applications as a standalone program. A link to the source code and other versions of EDGAR Renderer are also available at that site.</p> <p>https://www.sec.gov/xbrl</p> <p>“instance or instance document XML file that contains business reporting information that represents a collection of financial facts and report-specific information using taxonomies and more XBRL taxonomies.”</p> <p>Hierarchical relationships such as parent-child are a well-known feature of XBRL.</p> <p>“line item Elements that conventionally appear on the vertical axis (rows) of a table.</p> <p>“tag (noun) Identifying information that describes a unit of data in an instance document. encloses it in angle brackets (< and >). All facts in an instance document are enclosed in angle brackets that identify the element of the fact.”</p> <p>“validation Process of checking that instance documents and taxonomies conform to the rules of the XBRL specification.”</p> <p>http://www.sec.gov/spotlight/xbrl/glossary.shtml</p> <p>By way of a non-limiting example, EDGARLink also develops and displays a report validation as described in section 7.4.2 of the SEC’s <i>Filer Manual– Volume II EDGAR</i> document, March 2021.</p> <p>https://www.sec.gov/info/edgar/specifications/edgarfm-vol2-v57.pdf</p>
code stored on the at least one non-transitory computer readable medium and configured to cause the at least one hardware processor to identify at least one computer-readable Extensible Markup Language (XML)-compliant data	<p>Users of an XBRL validator use <i>code stored on the at least one non-transitory computer-readable medium and configured to cause the at least one hardware processor to identify at least one computer-readable Extensible Markup Language (XML)-compliant data document that includes: a plurality of data values, and a plurality of computer-readable semantic terms that identify the semantic meaning of the data values, where the at least one computer-readable data document is capable of including multiple hierarchical relationships between the plurality of line items.</i> See excerpt(s) below, for example (emphasis added):</p>

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